



US 20170099072A1

(19) **United States**

(12) **Patent Application Publication**
MOON et al.

(10) **Pub. No.: US 2017/0099072 A1**

(43) **Pub. Date: Apr. 6, 2017**

(54) **ELECTRONIC DEVICE**

(71) Applicant: **Samsung Electronics Co., Ltd.**,
Gyeonggi-do (KR)

(72) Inventors: **Heecheul MOON**, Gyeonggi-do (KR);
Uyhyeon JEONG, Gyeonggi-do (KR)

(73) Assignee: **Samsung Electronics Co., Ltd.**

(21) Appl. No.: **15/287,339**

(22) Filed: **Oct. 6, 2016**

(30) **Foreign Application Priority Data**

Oct. 6, 2015 (KR) 10-2015-0140636

Publication Classification

(51) **Int. Cl.**

H04B 1/3877 (2006.01)

H04M 1/02 (2006.01)

H04B 1/3888 (2006.01)

(52) **U.S. Cl.**

CPC **H04B 1/3877** (2013.01); **H04B 1/3888**
(2013.01); **H04M 1/0266** (2013.01)

(57) **ABSTRACT**

An electronic device is provided. The electronic device includes a foldable housing configured to be folded in a first direction or a second direction opposite to the first direction about a connection part, wherein the foldable housing includes a first housing part including a first surface and a second surface opposite to the first surface, a second housing part including a first surface facing the first surface of the first housing part in a state folded in the first direction and a second surface facing the second surface of the first housing part in a state folded in the second direction, and a flexible connection part that connects at least a portion of one side of the first housing part and at least a portion of one side of the second housing part; a first display configured at the first surface of the first housing part; and a second display configured at the first surface of the second housing part, wherein the connection part includes at least one polymer layer in which the first surface of the first housing part and the first surface of the second housing part are formed to maintain at least one angle of a selected range in a state in which an external force to the foldable housing is not applied.

